

USER MANUAL

DPH-400S/SE

VERSION 1.00



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PRODUCT OVERVIEW

Package Contents

- D-Link DPH-400SE (with PoE) or DPH-400S (without PoE) IP Phone Unit
- Handset
- Handset cord
- CD-ROM
- Quick Installation Guide
- Power Adapter
- CAT5 Ethernet Cable
- Wall-mounting screw pack
- Wall-mounting template sheet
- D-Link Warranty Guide

Caution: Using a power supply with a different voltage rating than the one included with the DPH-400S(SE) will cause damage and void the warranty for this product.



System Requirements

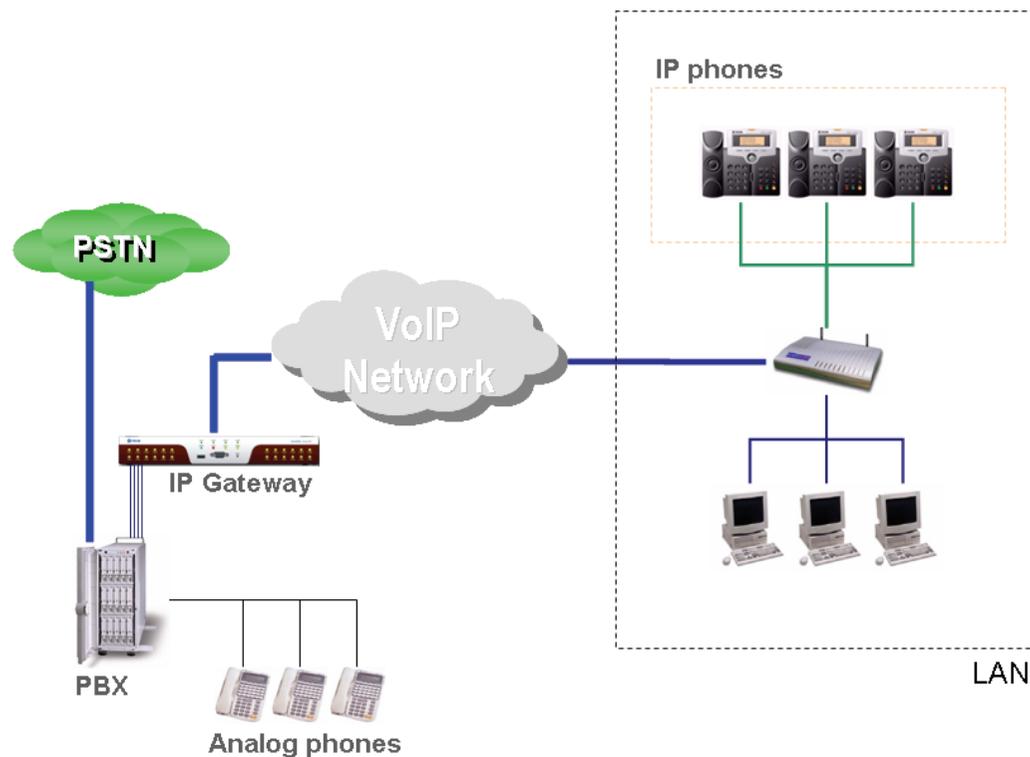
- 10/100Mbps Ethernet network environment
- Internet Explorer™ 6.0 or Mozilla Firefox™ 1.0 and above

Introduction

The DPH-400S(SE) IP Phone is an Internet Telephony desktop phone that connects to a digital network rather than the traditional PSTN line. Basically, it needs to be connected to a LAN enterprise network and works as an office phone. Like a traditional office telephone, it can deliver good voice quality and perform a great number of PBX-equivalent call features.

The IP phone can transfer and receive voice via an IP network. Therefore, it can be deployed and connected all over the world among headquarter and remote branch offices. Since it is a stand-alone and “always-on” terminal, there is no need to have any active PC to make it work. The IP Phone is completely stand-alone.

The IP phone comes with a graphic LCD screen, traditional keypad, a navigator key & content-sensitive programmable keys, handset, I/O ports, and a power adapter. It can be installed and placed on a desktop or mounted on the wall.



To operate the IP phone, you need to know some conventions that we will mention in this manual. In the following descriptions, we will introduce some terminologies for your understanding.

Line

“Line” in this manual represents how many phone numbers are supported in one phone. A phone can support more than one phone number so that you can subscribe to different VoIP service provider and even make concurrent calls thru each line. Therefore, the IP phone is said to support multiple-line appearance.

Call

“Call” in this manual represents how many simultaneous connections can be made to a single phone number. Each line has a two call limit, meaning you can hold one call and talk to another person in another call on the same line. Therefore, the IP phone is said to support multiple-call appearance.

Register to a server

The phone should be configured before it can perform some basic functions. Although the phone can make a peer-to-peer VoIP call (you have to remember the IP address of the called party), it is desirable to have a centralized server to provide the directory service. This server can be a Soft-switch, an IP-PBX or a simple Server/Proxy. The server has two basic functions. The first is to track active phones and their IP addresses. The second is passing signaling messages between communication parties. In order to make your phone reachable in this VoIP network, your IP phone has to register to the server after booting up, so that when someone dials your phone number, the server knows where you are and informs your IP phone that someone is calling. Refer to the sections **Advanced Operations** or **Configuration** in this manual for detailed information of how to configure the phone to register to server.

Caller ID & User ID

When you receive a call, the caller's phone number is shown on the screen if the caller didn't choose to hide his number and if the network supports the Caller ID feature. The IP Phone will display both the Caller ID and the User ID of the caller if it is available.

Features and Specifications

Main Unit

- Dimension: 210 * 190 * 46 mm
- Plastic material: ABS type
- Supports 30°, 45° and 60° stand angles.
- Can be mounted onto the wall
- Supports detachable handset and curled cord

LAN and PC Ports

- IEEE 802.3 10BaseT / 802.3u 100BaseTx compliant
- Auto-negotiation with link speed and full/half duplex mode
- Auto MDI/MDIX for both downlink and uplink auto-swapping
- Supports QoS IEEE 802.1p voice priority function
- IEEE 802.1q VLAN function

Power Supply

- Input: 5VDC /2000mA power adapter
- 5 types of different country /area (optional)

Service Port With A Cover

- Supports 1 serial port
- 4-Pin connector (need a particular 4P/DB-9 convert cable, please contact supplier)
- Only for engineering support use

Voice Handling

- Supports multiple Audio Codecs: G.711 a-law/ μ -law, G.729A*, G.723.1* (6.3K/5.3K)
- Supports VAD (Voice Auto Detection) and CNG (Comfort Noise Generation)
- Supports AGC (Automatic Gain Control)
- Volume adjustable for Handset, Headset, Speakerphone and Speakerphone Ring output.
- Support G.165 16ms line Echo Cancellation (AEC).
- Adaptive Jitter Buffering function supported.

Section 1 - Product Overview

-Hands-free talking supported.

[Note]: * These features are optional. Please contact your supplier for purchasing options.

Tone Function:

- DTMF tone generation & detection
- Side tone and good voice quality supported
- Out-band DTMF relay (RFC-2833) support.
- Local tone support (Dial, Ring, Ring back, Busy and related tones)

Environment

The phone you have purchased must not be disposed with household waste. You should return it to your distributor if you need to replace it, or take it to an approved recycling center.

FCC Statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions in this manual, may cause interference to radio communications. This equipment has been tested and found to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against radio interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at their own expense, will be required to take whatever measures are necessary to correct the interface.

CE Declaration of Conformity

This equipment complies with the requirements relating to electromagnetic compatibility, EN55022 class B for ITE and EN 50082-1. This meets the essential protection requirements of the European Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Hardware Overview

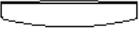
Front View

No	Part Name	Description of function
0	Main unit	The IP Phone main unit
1	Handset top cradle	For the placement of handset (Receiver end)
2	Hook switch	For hang-up and hang-off of handset
3	Cradle latch	To prevent the handset from dropping when it stands at 60° or is wall-mounted.
4	Speaker	For ring and hands free talking
5	Handset bottom cradle	For the placement of handset (Transmitter end)
6	Handset cord port	RJ-9 jack on the left side of the IP phone
7	Headset wire port	RJ-9 jack on the left side of the IP phone
8	 Message LED	Blinks red to indicate a new message, an incoming call, or an unregistered account
9	LCD screen	The LCD screen is for displaying your settings, phone number, call status and so forth. It supports 128 x 64 pixels.
10	 Soft keys	The keys used for item selection or control on the LCD screen. Each key function depends on its corresponding content displayed on the LCD at that time.
11	Navigator  OK key	It is used to confirm a setting or dial a phone number.
12	Navigator Control keys	The four arrows ◀ ▶ ▲ ▼ are used to move through the items on the LCD screen.
13	 1,2,3,4 Number keys	These keys can be used for line selection or programmable features. A green LED is associated with each key to indicate its line/call status.
14	 Speaker key	This Speaker key is used to turn on and off the hands-free dial or talk feature. A green LED is associated to indicate its status.

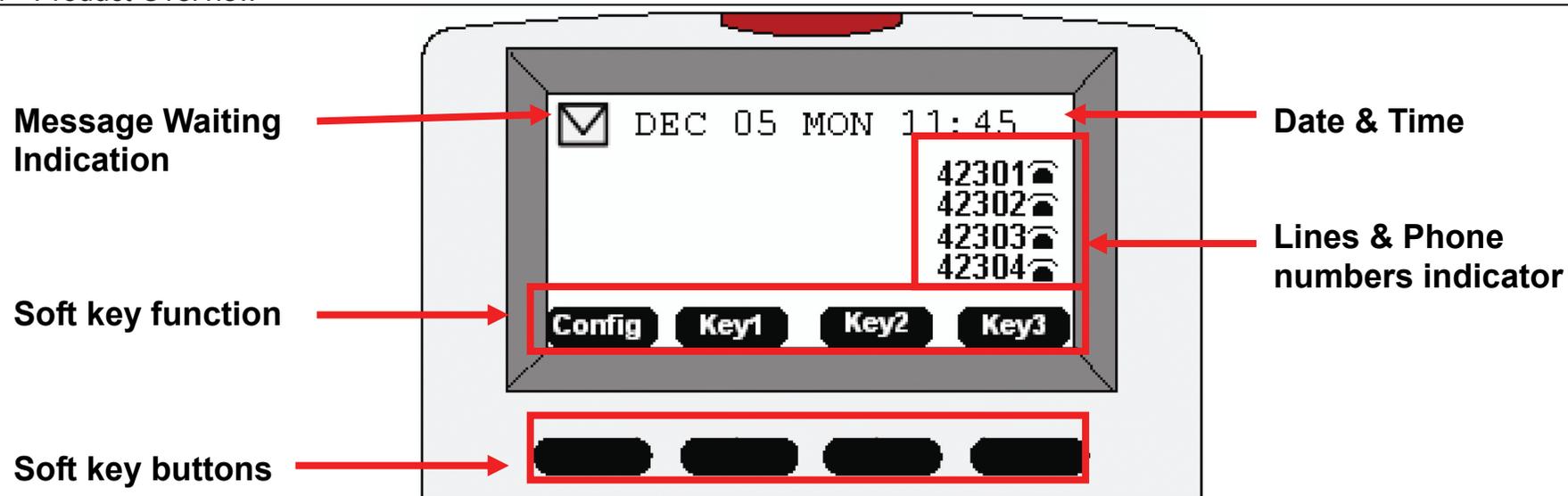
Section 1 - Product Overview

15	 Mute key	The Mute key is used to turn on and off voice transmission from the IP phone. The key lights red to indicate that the phone is muted.
16	 Headset key	This Headset key is used to activate/de-activate the Headset. A green LED is associated to indicate its status.
17	 Transfer key	The Transfer key is used to transfer a call to another IP phone.
	 Redial key	The Redial key is used to redial the last dialed number automatically.
	 Hold key	The Hold key is used to hold the current call and answer another incoming call. Press it again to release the hold function.
	 Message key	The message key is used to access the Voice Mail System for message retrieval.
	 Conference key	The Conference key is used to add the current multiple connected phones into a conference. It performs a phone-bridging function.
	 Phonebook key	The Phonebook key is used to access the phonebook to call or edit a phone number. After you press the Phonebook key, the phonebook is displayed on the LCD screen of the IP phone.
18	 Volume Control key	The Volume Control key is used for volume control. When the phone is idle, the ringer is adjusted. When talking, the Handset/Speaker/Headset output volume is adjusted.
19		[1], [2]...[9], [*], [0], [#]: The numeric keypad is used for dialing numbers.
20	Built-in Microphone	The built-in microphone is on the front edge of the IP phone.

LEDs and LCD Screen Indicators

LED	Color	Status	Description
 Message	 Red	Off	No new messages and the phone account is registered
		Blinking	New voice message, an incoming call, or the phone account is unregistered
 1,2,3,4 VoIP lines keys	 Green	Off	No active line. The phone is on-hook
		Solid	When the line is active (dialing or during a call)
		Blinking	Incoming call while you are engaged in another call
 Speaker key	 Green	Off	The speaker is not in use
		Solid	While in on-hook dialing mode or hands-free mode
 Mute key	 Red	Off	The phone is not muted
		Solid	The phone is muted
 Headset key	 Green	Off	The headset is not in use
		Solid	While in on-hook dialing mode or hands-free mode using a headset
All LEDs for system status	 Green	Off	In normal operation mode
		Solid	During system booting
		Blinking	When system booting failed or critical error

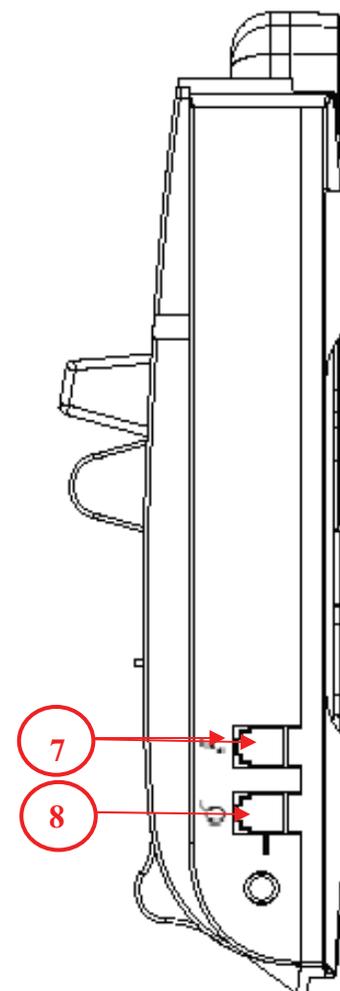
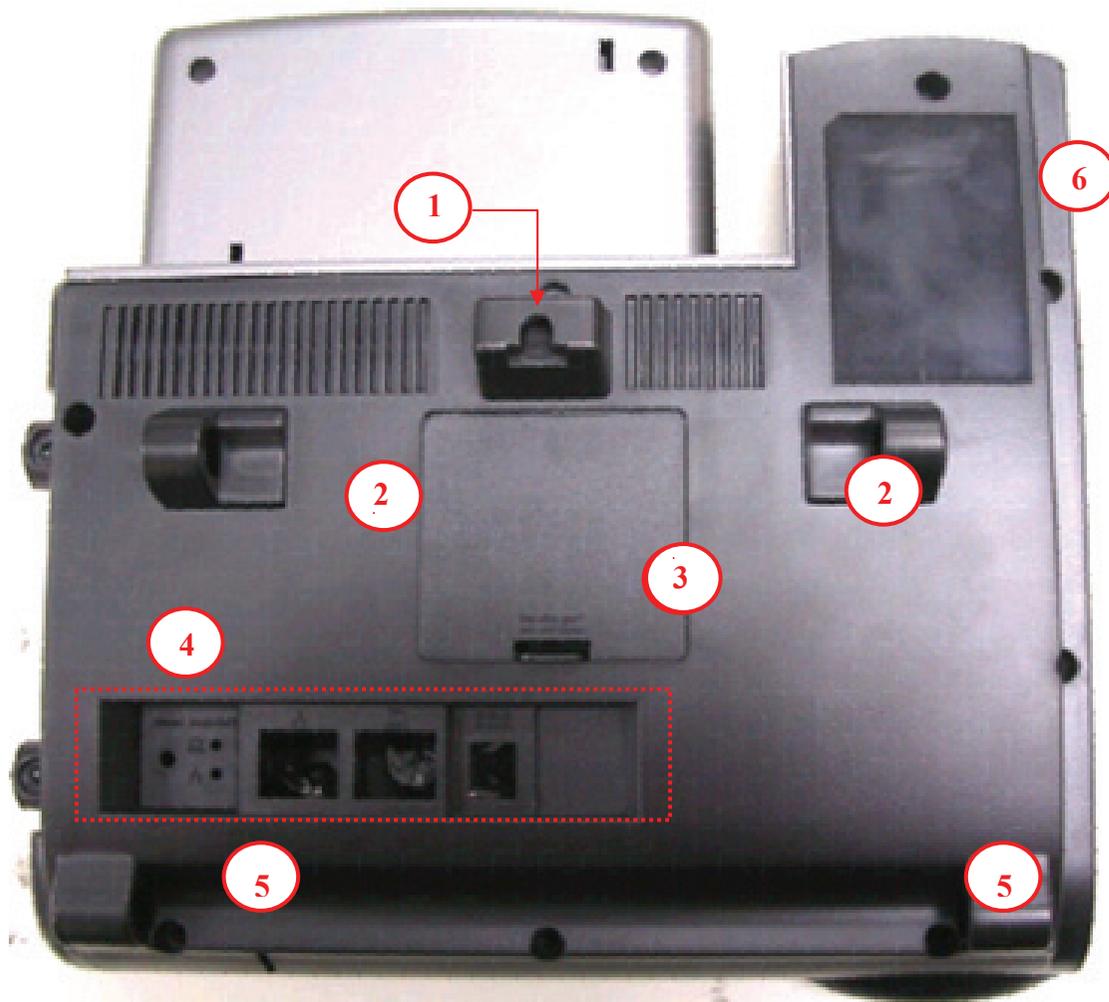
The following figure shows the format of the LCD screen. There are 4 soft keys used to operate the LCD display. The display format will be different for other menus or status settings.



NOTE:

1. When you enable caller ID, the **Display Name** is displayed before the Lines & Phone numbers on the right side of the LCD Screen.
2. When you enable DND, “**DND*** “ is displayed instead of the Date & Time on the top of the LCD Screen.
3. When you enable Phone Lock, “ **PHONE LOCKED....**” Is displayed on the LCD Screen. You can input user password or administrator password to unlock the phone.

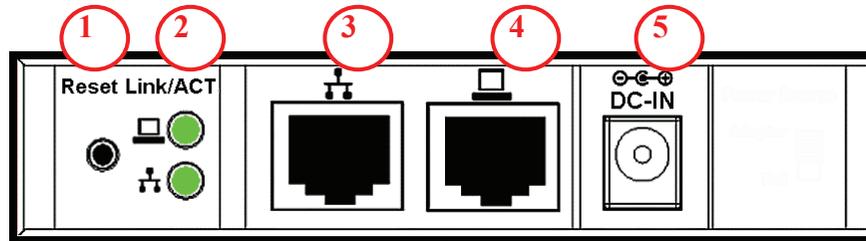
Rear View and Connections



No	Part Name	Description of function
1	Wall-Mount Hole	Used to mount the phone on the wall.

Section 1 - Product Overview

2	Stand Hinges	A stand is attached here for supporting the IP phone at different angles. For wall-mounting, please take the stand away.
3	Service door	This is only for engineering use. Inside, there is a console port. Please don't open this if you are a regular user. [Note: To use this port, you need a special converting cable (RJ-45 to DB-9). Please contact your supplier if needed.]
4	Input/Output ports	For installation, please connect the cables here (see the next figure for the details).
5	Base Frame Hinges	The base frame is fixed here. There is no need to disassemble this frame when doing a wall-mount.
6	Product label	Shows product production information, such like Product model, serial number and MAC address.
7	Handset cord port	RJ-9 jack on the left side of IP phone
8	Headset wire port	RJ-9 jack on the left side of IP phone



No	Part Name	Description of function
1	Reset button	Resets the phone's settings to the factory default settings.
2	Link/Activity	Indicates the link status of the WAN and LAN ports.
3	LAN port	RJ-45 10/100Mbps Ethernet port for connecting to an IP network
4	PC port	RJ-45 10/100Mbps Ethernet port for connecting to a PC or Notebook
5	Power Jack	If a power source from a power adapter is required, please use the power adaptor supplied in the package (5VDC/2A).

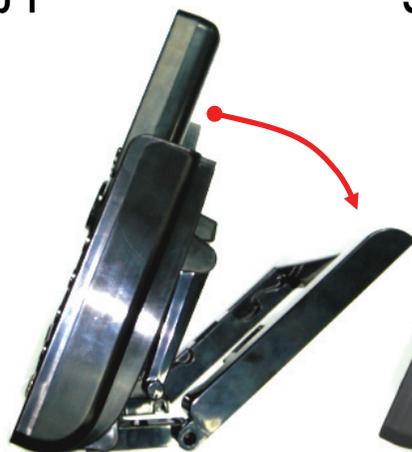
INSTALLATION

Hardware Installation

This section will walk you through the installation process. Before operating the phone, you have to install the phone well into the network.

1. Set up the stand and place the phone on the desk (see steps below).

Step 1



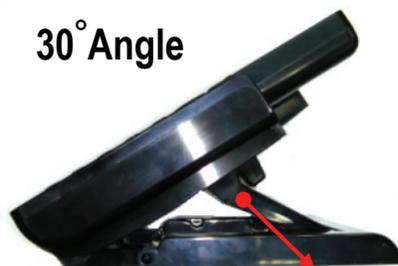
Step 2



Step 3



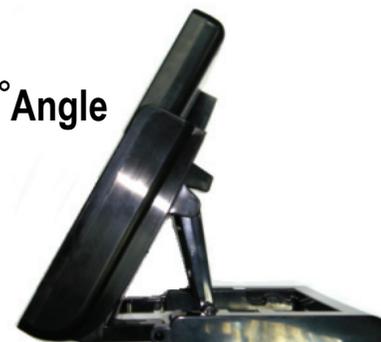
30° Angle



45° Angle



60° Angle



2. Use the handset cord to connect the handset to the handset port on the left side of the phone.

Section 2 - Installation

3. Connect the headset to the headset port on the left side of the phone. (optional)



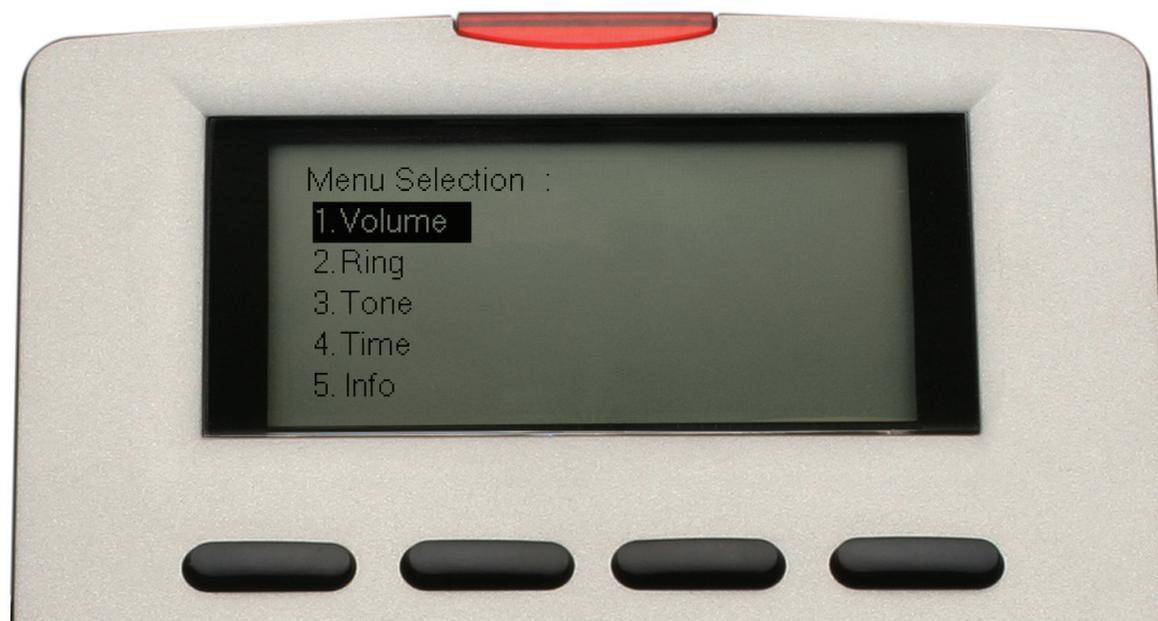
4. Connect an Ethernet cable to the LAN port on the phone and connect the other end to an Ethernet Switch port that is linked to an IP network (see figure above).
5. Connect an Ethernet cable to the PC port on the phone and connect the other end to a Notebook or PC. (optional)
6. Connect the external power adapter to the phone. For the DPH-400SE, if your Ethernet switch supports PoE (Power over Ethernet), the phone can be powered through the LAN port, so there is no need to connect the power adapter.
7. Finally, connect the power adapter to a power outlet.

Configure your IP Phone for Service

You have to configure the phone before operation. Usually the configuration is done by an office administrator, system supplier (such as a System Integrator), or the service provider (such as an ITSP- Internet Telephony Service Provider). If you are a general user, please consult them for support. For the advanced or experienced user, you may refer to the section of this manual about configuration through the web for information on how to configure all the settings of the IP phone.

Now, if the IP phone is already connected to the network and the VoIP service is activated, please follow the following chapters for a guideline on operating the phone.

The menu to configure your IP Phone is as follows:



You can navigate through the menu with the navigator control keys ◀ ▶ ▲ ▼ . The following sections will describe how you can setup your IP Phone through this menu.

GENERAL OPERATIONS

Basic Call Features

Operation	Description
Making a call	 <p>Pick up the handset. <i>You will hear a dial tone.</i></p>
	 <p>Use the keypad to dial the phone number. Press the OK key  or the # key to dial out immediately or wait about 5 seconds for auto-dial.</p> <p>Note: You may use the Backsp soft key to delete the last digit.</p>
	 <p>Hang up the handset when your conversation is over.</p>
Receiving a call	 <p>Pick up the handset upon hearing the phone ringing.</p>
	 <p>Hang up the handset when your conversation is over.</p>
Last Number Redial	 <p>Pick up the handset.</p>
	 <p>Press the Redial key. The last dialed number will be automatically redialed.</p>
Mute the transmitter end of the handset	 <p>While being engaged in a conversation, you may mute the transmitter end of the handset by pressing the Mute key.</p>
	 <p>The Mute key lights red. At this point, you can speak and the other party will not hear anything.</p>
Adjust the voice volume during a conversation	 <p>During a conversation, if the voice volume is too low or too high, you may adjust it.</p>
	 <p>Press the volume control key to adjust the volume.</p>

Call record

Operation	Description	
Review dialed calls		<p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
		<p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
	 <p>→ Call Record</p>	<p>Select the item Call Record to enter the Call Record menu. Press the OK key  to confirm the selection.</p>
	 <p>→ Dialed Calls</p>	<p>Select the item Dialed Calls and confirm with the OK key .</p>
		<p>Use the navigator control keys to review the different dialed calls. You may choose to redial the number (using the Dial soft key).</p> <p>Press the Cancel soft key to exit the menu. Press the left navigator control key ◀ 2 times to exit the Configuration menu.</p>

Section 3 - General Operations

Review received calls		Press the Config soft key. The LCD screen prompts you to input a line number.
		Use the keypad to enter a line number (1-4) and confirm with the OK key  .
	 → Call Record	Select the item Call Record to enter the Call logs menu. Press the OK key  to confirm the selection.
	 → Received Calls	Select the item Received Calls and confirm with the OK key  .
	 	Use the navigator control keys ▲ ▼ to review the different received calls. You may choose to redial the number if the Caller ID is known (using the Dial soft key). Press the Cancel soft key to exit the menu. Press the left navigator control key ◀ 2 times to exit the Configuration menu.
Review missed phone calls		Press the Config soft key. The LCD screen prompts you to input a line number.
		Use the keypad to enter a line number (1-4) and confirm with the OK key  .
	 → Call Record	Select the item Call Record to enter the Call logs menu. Press the OK key  to confirm the selection.



Select the item **Missed Calls** and confirm with the OK key .



Use the navigator control keys to review the different missed calls. You may choose to redial the number if the Caller ID is known (using the **Redial** soft key).

Press the **Cancel** soft key to exit the menu. Press the left navigator control key ◀ 2 times to exit the Configuration menu.

Viewing Phone Setting Information

You may view all related settings information about the IP Phone through the LCD screen. This can give you, for example, the current network settings of the IP Phone, and the registration status of your ITSP (Internet Telephony Service Provider).

Operation	Description	
View information about the IP Phone		Press the Config soft key. The LCD screen prompts you to input a line number.
		Use the keypad to enter any line number (1-4) and confirm with the OK key  .
		Use the navigator control keys to select the item 5.Info and confirm with the OK key  to enter the Info menu.
		Use the navigator control keys ▲ ▼ to choose the information you would like to review. Press the left navigator control key ◀ 3 times to exit the Configuration menu.

The following information can be reviewed from the LCD screen of your IP Phone:

- Company
- Model Name
- Firmware Number
- MAC Address
- IP Address
- Subnet Mask
- Default Gateway
- DHCP Status
- DNS Server
- SIP Proxy Server
- SIP Outbound Proxy
- Registrar Server
- Outbound Registrar
- Register Status
- Service Number

ADVANCED OPERATIONS

Network Settings

The default network settings are as follows:

Default IP address / subnet mask: 192.168.1.10 / 255.255.255.0

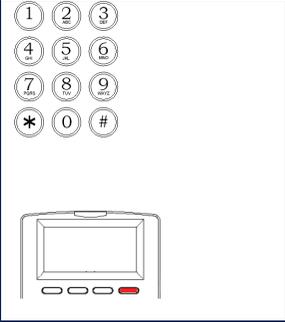
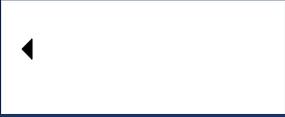
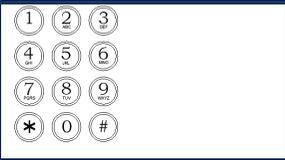
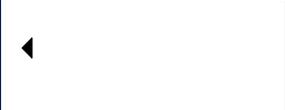
Default Gateway: 192.168.1.1

Default DNS: 168.95.1.1

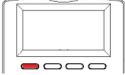
If you need to change these default settings, please refer to the following instructions.

Operation	Description
Setting up a Static IP address	 <p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
	 <p>Use the keypad to enter any line number (1-4) and confirm with the OK key .</p>
	 <p>Use the navigator control keys ▲ ▼ to select the item 18.Admin and confirm with the OK key . Enter "1234" for the Admin Password and confirm with the OK key .</p> <p>The LCD screen displays the Admin Setting menu.</p>
	<p>Select the item Network and then the item Network Type.</p> <p>Select Static IP. The LCD screen prompts you the enter the IP address of your IP Phone.</p>

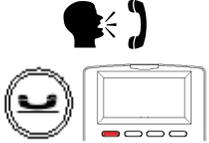
Section 4 - Advanced Operations

	<p>Use the keypad to enter the new IP address of your IP Phone. Pressing the * key will enter a . (dot). Press the OK key  to confirm the entered IP address.</p> <p>Note: You may use the Backsp soft key to delete the previous character.</p>	
	<p>Press the left arrow key 5 times to exit the LCD menu. Select Yes and press the OK key  to save the settings.</p>	
<p>Setting up a Dynamic IP address (DHCP)</p>		<p>Press the Config soft key.</p> <p>The LCD screen prompts you to input a line number.</p>
		<p>Use the keypad to enter any line number (1-4) and confirm with the OK key .</p>
		<p>Use the navigator control keys ▲ ▼ to select the item 18.Admin and confirm with the OK key . Enter "1234" for the Admin Password and confirm with the OK key .</p>
		<p>The LCD screen displays the Admin Setting menu.</p>
		<p>Select the item Network and then the item Network Type.</p>
	<p>Select DHCP.</p>	
<p>The LCD screen prompts you to select On or Off for the DHCP feature.</p>		
<p>Select On and press the OK key  to confirm.</p>		
	<p>Press the left arrow key 5 times to exit the menu. Select Yes and press the OK key  to save the settings.</p>	

Section 4 - Advanced Operations

Showing your phone's IP address		Press the Config soft key. The LCD screen prompts you to input a line number
		Use the keypad to enter any line number (1-4) and confirm with the OK key  .
		Use the navigator control keys to select the item 5.Info and press the OK key  to enter the info menu. The LCD screen will display various information about the IP phone.
		Press the up or down arrow key to select the information you would like to know. Press the  key 4 times to show the IP address of your IP phone.
		Press the left arrow key 3 times to exit the LCD menu.

Advanced Call Operations

Operation	Description
3-way conference call	 While being engaged in a conversation, you may invite another party to join using the 3-way conference call feature. To achieve this, hold the call using the Hold button  or press the Hold soft key to hold the first call.
	 Press the down arrow key  to start a second call on this line.
	 Use the keypad to dial the phone number. You may also choose a phone number from the phonebook or from your speed dial list. The IP phone will call the other party.

Section 4 - Advanced Operations



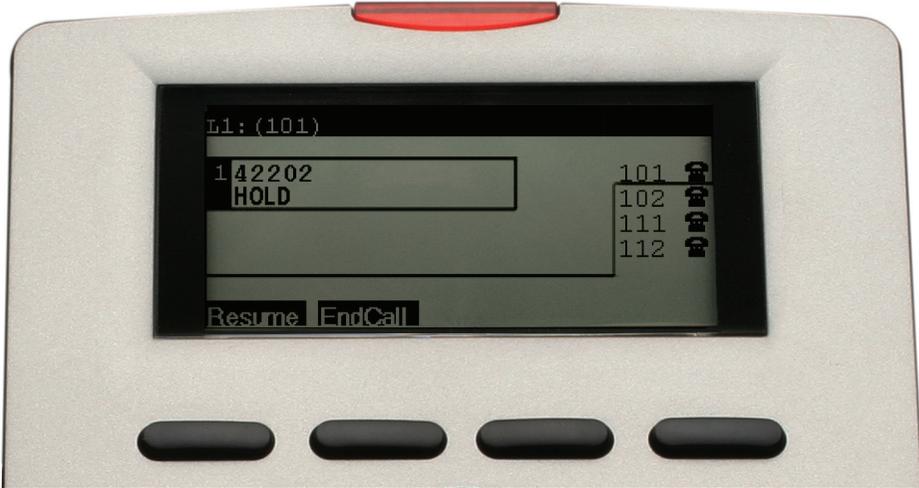
You may talk with the transfer target prior to letting them join the conference.



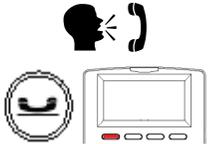
When you are ready to start the conference, press the Conference key .
The LCD screen will show that the two calls are in a conference.



Section 4 - Advanced Operations

Call hold		While being engaged in a conversation, you can hold a call.
		Press the Hold key to hold the call.
		
		To resume a held call, simply press the Resume soft key or press the Hold key  again.
Call transfer (blind transfer)	If you want to transfer a call to another phone, please follow these steps:	
	 	While engaged in a conversation, press the transfer button  . The phone prompts you to enter the phone number to which you would like to transfer the call to.
		Use the keypad to dial the phone number. You can also choose a phone number from the phonebook or from your speed dial list. The call will be transferred automatically to the other party.
		You can hang up the phone.

Section 4 - Advanced Operations

Call transfer (attended transfer)		While engaged in a conversation, hold the call using the Hold button  or press the Hold soft key.
		Press the down arrow key ▼ to start a second call on this line.
		Dial the transfer target phone number.
		You can talk with the transfer target prior to transferring the call.
		When you are ready to transfer the call, press the transfer key.
		You can hang up the phone.

Phonebook

The phonebook feature allows you to store a list of up to 200 phone numbers.

Operation	Description
Phonebook (add/edit a number)	 Press the Phonebook key  .
	 Press the Add soft key to add a new contact into the phonebook.
	 If you want to edit an existing number, find the number you would like to edit using the navigator control keys, then press the Edit soft key to edit the number.
Phonebook (delete a number)	 Press the Phonebook key  .
	 Find the number you would like to delete, then press the Del soft key.
Dial a Phonebook number	 Press the Phonebook key  .
	 Find the number you would like to dial using the navigator control keys, then press the Dial soft key to dial the number.

SpeedDial

The SpeedDial feature allows you store a list of 10 phone numbers that you can access easily using a SpeedDial number from 0 to 9

Operation	Description	
SpeedDial (add/edit a number)		Press the Config soft key. The LCD screen prompts you to input a line number
		Use the keypad to enter a line number (1-4) and confirm with the OK key  .
		Use the navigator control keys to select the item 14.Hot SpeedDial and press the OK key  to enter the SpeedDial settings menu. The LCD screen prompts you to enter a number between 0 and 9.
		You may directly enter the desired number using the keypad or use the navigator control keys to browse all the SpeedDial numbers.
		If you want to add a new number, find an empty position, then press the Edit soft key to enter the new number. If you want to edit an existing number, find the number you would like to edit using the navigator control keys, then press the Edit soft key to edit the number.

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SpeedDial (delete a number)		Press the Config soft key. The LCD screen prompts you to input a line number.
		Use the keypad to enter a line number (1-4) and confirm with the OK key  .
		Use the navigator control keys to select the item SpeedDial to enter the SpeedDial settings menu. The LCD screen prompts you to enter a number between 0 and 9.
		You may directly enter the desired number using the keypad or use the navigator control keys to browse all the SpeedDial numbers.
		Find the number you would like to delete, then press the Del soft key.
Dial a SpeedDial number		Pick up the handset or press a line button (if you want to dial hands-free).
		Press the SPD (SpeedDial) soft key.
		Enter the SpeedDial number you would like to dial using the keypad.

Caller Blocking

The IP Phone provides the function to block calls with a specific Caller ID. You can enter a list of up to 10 Caller IDs.

Operation	Description
Caller Blocking (add/edit a number)	 <p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
	 <p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
	 <p>Use the navigator control keys to select the item 17.Blocking List to enter the Caller Blocking settings menu. The LCD screen prompts you to enter a number between 0 and 9.</p>
	 <p>You may directly enter the desired number using the keypad or use the navigator control keys to browse all the blocked Caller ID numbers.</p>
	 <p>If you want to add a new number, find an empty position, then press the Edit soft key to enter the new number. If you want to edit an existing number, find the number you would like to edit using the navigator control keys, then press the Edit soft key to edit the number.</p>

Caller Blocking (delete a number)		<p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
		<p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
		<p>Use the navigator control keys to select the item 17.Blocking List to enter the Caller Blocking settings menu. The LCD screen prompts you to enter a number between 0 and 9.</p>
		<p>You may directly enter the desired number using the keypad or use the navigator control keys to browse all the blocked Caller ID numbers.</p>
		<p>Find the number you would like to delete, then press the Del soft key.</p>

Line and Phone Management

Operation	Description
	 <p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
	 <p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
Call Forward	 <p>Use the navigator control keys to select the item 8.Call Forward and press the OK key  to enter the Call Forward menu.</p> <p>Select the next item according to the type of call forward (Always Forward, On Busy Forward, or No Answer Forward) you would like to activate and confirm with the OK key .</p> <p>Note: It is possible to activate different kinds of call forward at the same time (for example: No Answer Forward + On Busy Forward)</p>
	 <p>Select Toggle to turn on or off the call forwarding feature.</p> <p>Select ON or OFF then press the OK key  to confirm.</p>
	 <p>Select Forward Number to enter the phone number you want to forward the calls to.</p> <p>Enter the phone number and confirm with the OK key .</p>
	<p>Note: If you select No Answer Forward, you will also be prompted to enter the timeout value (No Answer Time) in seconds before redirecting the call to the forward number.</p>

Section 4 - Advanced Operations

Auto Answer	<p>You can use this function to automatically answer all incoming calls when you are busy.</p>	
		<p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
		<p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
	 <p>→ Auto Answer</p>	<p>Use the navigator control keys to select the item 9.Auto Answer and press the OK key  to enter the Auto Answer menu.</p>
	<p>Use the ▲ ▼ navigator control keys to turn on or off the Auto Answer feature and confirm with the OK key .</p>	
DND	<p>You can enable DND (Do Not Disturb) if you don't want any incoming calls to disturb you. While in DND mode, all incoming calls will get a busy signal when they make a call to this phone number.</p>	
		<p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
		<p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
	 <p>→ DND</p>	<p>Use the navigator control keys to select the item 6.DND and press the OK key  to enter the Do Not Disturb menu.</p>
	<p>Use the ▲ ▼ navigator control keys to turn on or off the DND feature and confirm with the OK key .</p>	

Section 4 - Advanced Operations

Phone Lock		<p>This feature lets you lock the IP Phone. While the phone is locked, no one may use it to make calls. You need to enter your password to unlock the phone.</p>
		<p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
		<p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
	 <p>→ Phone Lock</p>	<p>Use the navigator control keys to select the item 10.Phone Lock and press the OK key  to enter the Phone Lock menu.</p> <p>Use the navigator control keys to turn the phone lock On or Off.</p>

Reset to Factory Default Settings

Operation	Description
Reset phone to default factory settings	 <p>Press the Config soft key. The LCD screen prompts you to input a line number.</p>
	 <p>Use the keypad to enter a line number (1-4) and confirm with the OK key .</p>
	 <p>Use the navigator control keys to select the item 18.Admin to enter the Administration menu. Press the OK key  to confirm the selection. The LCD screen prompts you to enter the Admin password.</p> <p>→ Admin</p>
	 <p>Use the keypad to enter the Admin password and confirm by pressing the OK key . The default password is 1234.</p>
	 <p>Select the item 8.Reset. The LCD screen prompts you to confirm the selection.</p> <p>→ Reset</p>
	 <p>Select Yes and confirm by pressing the OK key  to reset the settings.</p>

CONFIGURATION

Web-based Configuration

This section will show you how to configure your new D-Link IP Phone using the web-based configuration interface.

The default network settings are the following:

Default IP address/ Subnet mask: 192.168.1.10 / 255.255.255.0

Default Gateway: 192.168.1.1

Default user name of Web: user

Default user password of Web: 1111

To access the phone through a web browser, just enter “http://192.168.1.10” in the address field of the browser. (If you are not sure about the IP address, you can examine the current IP address through the Info menu on the phone’s LCD screen.)

Type “**user**” for the User Name and “1111” in the Password field. Otherwise, type “**admin**” for the User Name and “1234” in the Password field. Click on the bottom of “OK” to enter the configuration page.

There are two levels of web configuration: one “user” ID level that can view just some portion in the web, and the other “admin” ID level that can view and configure all settings in the web-based configuration interface. To use “admin” ID for login, please contact your administrator, supplier or service provider.



Information

The **INFORMATION** page displays a summary overview of your IP Phone, including the device software version and a summary of your Internet configuration.

Click on the **Reboot** button to reboot the system.

Click on the **Logout** button to logout system and close the browser window.

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INFORMATION

NETWORK INFORMATION

IP Type :	Static IP	Current IP :	192.168.5.34
Subnet Mask :	255.255.255.0	Default Gateway :	192.168.1.1
Primary DNS :	168.95.1.1	Secondary DNS :	

PRODUCT INFORMATION

Product Name :	DPH-400S/SE	Software Version :	V1.00
MAC Address :	00-0A-68-A3-D2-12	Hardware Version :	A1

PROFILE 1 STATUS

Phone Number :	2102
Registration State :	Registrar OK
SIP Proxy Server :	192.168.5.2

PROFILE 2 STATUS

Phone Number :	1002
Registration State :	Registrar Fail
SIP Proxy Server :	192.168.1.100

PROFILE 3 STATUS

Phone Number :	1003
Registration State :	Registrar Fail
SIP Proxy Server :	192.168.1.100

PROFILE 4 STATUS

Phone Number :	1004
Registration State :	Registrar Fail
SIP Proxy Server :	192.168.1.100

Setup

This page contains the side-menus Network, System, and Phone. You can click and select these menus in the left column.

NETWORK SETTINGS

Here is the description of each field from the screen:

Field Name	Function
Private Key	Browse Private Key for 802.1X CA.
Personal Cert	Browse Personal Cert for 802.1X CA.
Root Cert	Browse Root Cert for 802.1X CA.
Trusted Cert	Browse Trusted Cert for 802.1X CA.
IP Type	Select how the phone gets an IP address. Use DHCP or static IP.
IP Address	Static IP address.
Subnet Mask	Static Subnet Mask.
Default Gateway	Static Default Gateway.
Primary DNS	Static Primary DNS.
Secondary DNS	Static Secondary DNS.
Third DNS	Static Third DNS.
Time Server	Static Time server.
PPPoE Username	The PPPoE Username.
PPPoE Password	The PPPoE Password.
802.1x Type	Select the type of 802.1x: EAP-MD5, EAP-TLS, or OFF. If you select EAP-MD5, you only need to input the 802.1x Identity and 802.1x Password. If you select EAP-TLS, you need to select the CA and Private key file and upload them to the phone.

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802.1X Identity	802.1X Identity in switch
802.1X Password	802.1X Password in switch

Click on the **Save Settings** button to save changes in this page.

Click on the **Cancel** button to discard all changes in this page.

Click on the **Logout** button to logout and close the browser window.

Note: You have to reboot your phone in order to enable any changed network settings. Please go to the Information page to reboot your Phone.

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SYSTEM SETTINGS

Here is the description of each field from the screen:

Administrator Name	The admin name
Administrator Password	The admin password
User Name	The user username
User Password	The user password
Using Log Server	Enable Using Log Server
Log Level	Set Log Level
System Log Address	Enter System Log IP Address
System Log Port	Enter System Log Port
System Language	Set System Language
Auto DST	Automatic daylight saving time flag
Daylight Save Time	Set the Daylight Saving Time
Starts on: Month	Select the Month
Starts on: Day	Select the Day
Starts on: Time	Select the Time
Ends on: Month	Select the Month
Ends on: Day	Select the Day
Ends on: Time	Select the Time
Time Format	Set the Time Format
Time Zone	Set the Time Zone

Click **Save Settings** to save changes in this page.
 Click **Cancel** to discard all changes in this page.
 Click **Logout** to logout and close the browser window.

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SYSTEM SETTINGS

ADMINISTRATOR SETTINGS

Administrator Name : <input type="text" value="admin"/>	Administrator Password : <input type="password" value="••••"/>
User Name : <input type="text" value="user"/>	User Password : <input type="password" value="••••"/>
Using Log Server : <input type="checkbox"/>	Log Level : <input type="text" value="Emergency"/>
System Log Address : <input type="text" value="0.0.0.0"/>	System Log Port : <input type="text" value="514"/>
System Language : <input type="text" value="English"/>	

TIME SETTINGS ITEMS

Auto DST : <input type="checkbox"/>	Daylight Saving Time : <input type="text" value="0"/>
Starts on : Month <input type="text" value="JAN"/> Day <input type="text" value="1"/> Time <input type="text" value="00:30"/>	
Ends on : Month <input type="text" value="JAN"/> Day <input type="text" value="1"/> Time <input type="text" value="00:30"/>	
Time Format : <input type="text" value="USA TIME_24_HOUR"/>	
Time Zone : <input type="text" value="GMT+12:00 (Auckland, Wellington, ...)"/>	

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PHONE SETTINGS

Here is the description of each field from the screen:

Field Name	Function
Handset Mic	Set the input level of the handset microphone
Handset Speaker	Set the output level of the handset speaker
Speaker Mic	Set the input level of the built-in microphone
Speakerphone	Set the output level of the phone's speaker
Headset Mic	Set the input level of the headset microphone
Headset Speaker	Set the output level of the headset speaker
Ring Tone Volume	Set the output level of the ring
Tone Type	Select the tone type There are 10 types of tones.
Ring Type	Select the ring type There are 10 types of rings.
DTMF Relay	Select the way to send DTMF through in-band or various out-band mechanism.
RFC2833 PayLoad	Set the RFC2833 PayLoad
Enable Auto Answer	Turn on/off auto answer
Enable DND	Turn on/off DND
Enable Echo Cancellor	Turn on/off Echo Cancellor
Enable VAD+CNG	Turn on/off VAD+CNG
Enable Phone Lock	Lock or unlock the phone
Enable Call Waiting	Turn on/off Call Waiting
Enable CLIP	Turn on/off CLIP
Enable CLIR	Turn on/off CLIR
Enable Hold Reminder	Turn on/off Hold Reminder
Enable Silence Suppression	Turn on/off Silence Suppression

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PHONE SETTINGS

VOLUME CONTROL

Handset Mic	6	Handset Speaker	8
Speaker Mic	6	Speakerphone	8
Headset Mic	6	Headset Speaker	6
Ring Tone Volume	4		

TONES USED

Tone Type	United States	Ring Type	United States
DTMF Relay	RFC2833	RFC2833 PayLoad	101

PHONE PARAMETERS

Enable Auto Answer	<input type="checkbox"/>	Enable DND	<input type="checkbox"/>
Enable Echo Cancellor	<input type="checkbox"/>	Enable VAD+CNG	<input type="checkbox"/>
Enable Phone Lock	<input type="checkbox"/>	Enable Call Waiting	<input type="checkbox"/>
Enable CLIP	<input checked="" type="checkbox"/>	Enable CLIR	<input checked="" type="checkbox"/>
Enable Hold Reminder	<input type="checkbox"/>	Enable Silence Suppression	<input type="checkbox"/>
Enable Transfer on Hook	<input type="checkbox"/>		
Dial Timeout (sec)	60	No Answer Timeout (sec)	5

SPEED DIAL ENTRY SETTINGS

Speed Dial Entry 0	[]	Speed Dial Entry 1	[]
Speed Dial Entry 2	[]	Speed Dial Entry 3	[]
Speed Dial Entry 4	[]	Speed Dial Entry 5	[]
Speed Dial Entry 6	[]	Speed Dial Entry 7	[]
Speed Dial Entry 8	[]	Speed Dial Entry 9	[]

LINE BUTTON SETTINGS

Line 1 Key	Line	Speed Dial String :	[]
Line 2 Key	Line	Speed Dial String :	[]
Line 3 Key	Line	Speed Dial String :	[]
Line 4 Key	Line	Speed Dial String :	[]

Save Settings
Cancel
Logout

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Dial Timeout (sec)	Set the timeout for Dial
No Answer Timeout (sec)	Set the timeout for forward on no answer
Speed Dial Entry	10 speed dial entries. Each entry maps to the numbers 0 through 9.
Line Key	Use the Line Keys to define for line selection or for specified programming features.
Speed Dial String	Set the Speed Dial String if “Line Key” is set to “Speed Dial”.

Click on the **Save Settings** button to save changes in this page.
Click on the **Cancel** button to discard all changes in this page.
Click on the **Logout** button to logout and close the browser window.

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EDM SETTINGS

After you connect the DPH-400EDM to DPH-400S(SE), you will be able to see this EDM setting page on the web-based configuration interface. This setting page shows that DPH-400EDM supports a maximum of 22 speed dial settings and 22 feature keys settings. The left column of the DPH-400EDM has 11 keys that can be used for 11 numbers for speed dialing. In addition, you can press the shift key on the bottom left side of the EDM to add another 11 numbers. The right column of the DPH-400EDM has programming keys. You can set the keys to be feature keys like as DND, Phone Lock, and Auto Answer. Also, if your SIP Server supports Asterisk features, the buttons can also be defined as Asterisk feature keys.

Here is the description of each field:

Button Speed Dial	Set speed dial number for EDM button. There are 11 numbers for EDM left column and 11 numbers for EDM left shift column.
Line	Assign the EDM button to a specified line.
EDM Button	Use the right column EDM buttons for programming features. There are 11 items for EDM right column and 11 items for EDM right shift column.
Button Number	Enter the button number if “EDM Button” is set to “Asterisk Feature Key”.

Click on the **Save Settings** button to save changes in this page.

Click on the **Cancel** button to discard all changes in this page.

Click on the **Logout** button to logout and close the browser window.

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EDM

PERSONAL SETTING

EDM LEFT COLUMN

Button1 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button2 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button3 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button4 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button5 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button6 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button7 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button8 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button9 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button10 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button11 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	

EDM LEFT SHIFT COLUMN

Button1 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button2 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button3 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button4 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button5 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button6 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button7 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button8 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button9 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	Button10 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾
Button11 Speed Dial <input type="text"/> Line <input type="text"/> 1 ▾	

EDM RIGHT COLUMN

EDM Button 1 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button1 Number <input type="text"/>
EDM Button 2 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button2 Number <input type="text"/>
EDM Button 3 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button3 Number <input type="text"/>
EDM Button 4 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button4 Number <input type="text"/>
EDM Button 5 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button5 Number <input type="text"/>
EDM Button 6 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button6 Number <input type="text"/>
EDM Button 7 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button7 Number <input type="text"/>
EDM Button 8 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button8 Number <input type="text"/>
EDM Button 9 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button9 Number <input type="text"/>
EDM Button 10 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button10 Number <input type="text"/>
EDM Button 11 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button11 Number <input type="text"/>

EDM RIGHT SHIFT COLUMN

EDM Button 1 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button1 Number <input type="text"/>
EDM Button 2 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button2 Number <input type="text"/>
EDM Button 3 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button3 Number <input type="text"/>
EDM Button 4 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button4 Number <input type="text"/>
EDM Button 5 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button5 Number <input type="text"/>
EDM Button 6 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button6 Number <input type="text"/>
EDM Button 7 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button7 Number <input type="text"/>
EDM Button 8 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button8 Number <input type="text"/>
EDM Button 9 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button9 Number <input type="text"/>
EDM Button 10 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button10 Number <input type="text"/>
EDM Button 11 <input type="text"/> None ▾	Line <input type="text"/> 1 ▾	Button11 Number <input type="text"/>

SW Upgrade

Use the **SW UPGRADE** window to load the latest firmware for the IP Phone.

PHONE SOFTWARE UPDATE

On the software upgrade page, you can upgrade the phone settings via HTTP/TFTP/FTP.

Here is the description of each field from the screen:

Select Firmware	You can download the latest firmware from D-Link's website. Click Browse to find the file on your computer. Click Upload to load the new firmware to the phone, and wait a moment, don't close the page until the process has completed. Note: If you upgrade the phone's firmware using HTTP, no parameters need to be setup in SERVER ITEMS.
Enable Auto Provisioning	Enable Auto Provisioning
Resync On Reset	Resynchronize configuration file on Reset system
Resync Periodic	Resynchronize configuration file periodic time
Profile Directory	Profile directory where the profile located
AES Key	Set the AES Key (the password to decrypt the encrypted configuration file)
Server Type	Set the Server Type, TFTP or FTP
Server IP Address	Enter the Server IP address (for example, 192.168.1.10)
Files Directory	Files directory where the firmware and

Section 5 - Configuration

	profile are located. Can be empty, if the file is in the top directory of the TFTP/FTP server.
Server User Name	Username of the account on the server
User Password	Password of the account on the server
Software File	Firmware file name

Click on the **Save Settings** button to save changes in this page.
Click on the **Cancel** button to discard all changes in this page.
Click on the **Logout** button to logout and close the browser window.

Hint: If there are errors when you update the software and the phone doesn't work, please hold the first soft key when rebooting. Then you can see the hint on the LCD screen.
The phone will update the software from 192.168.1.11 after pressing the navigator OK key.

SIP

This page is for the 4 phone lines. You can click and select each line in the left column. The following will use Line1 as an example.

Note: All the SIP-B features need to be enabled in the Sylanro WEB manager. Please refer the guide from Sylanro.

When you click “LINE1” menu, it will display “LINE1 SIP”, “LINE1 VOICE”, “LINE1 PERSONAL” menus for line1. Click each one to enter the settings for that menu.

Line SIP

SIP Proxy Server	SIP Proxy Server IP Address
Outbound Proxy Server	Outbound Proxy Server IP Address
Server Port	SIP Proxy Server Port
SIP Secondary Proxy Server	SIP Secondary Proxy Server IP Address
SIP Surviving Proxy Server	SIP Surviving Proxy Server IP Address
Registrar Server	Registrar Server IP Address
Registrar Outbound Server	Registrar Outbound Server IP Address
Registrar Server Port	Registrar Server Port
Registrar Expire Time(sec)	Registrar Expire Time (sec)
Phone Number	Phone Number
User Name	User Name
Authorized ID	Authorized ID
Authorized Password	Authorized Password
Enable Caller ID	The called phone will show your display name
Display Name	Display Name
Locating SIP Server	Enable Locating SIP Server

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Line1
 • Line1 Sip
 • Line1 Voice
 • Line1 Personal
 Line2
 Line3
 Line4

LINE1 SIP SETTINGS

SIP PROXY SERVER

SIP Proxy Server: 192.168.5.2 Outbound Proxy Server:
 Server Port: 5060
 SIP Secondary Proxy Server: SIP Surviving Proxy Server:

SIP REGISTRAR SERVER

Registrar Server: Registrar Outbound Server:
 Registrar Server Port: 5060 Registrar Expire Time (sec): 180

SUBSCRIBER INFORMATION

Phone Number: 2102 User Name:
 Authorized ID: Authorized Password:
 Enable Caller ID: Display Name:
 Locating SIP Server: SIP Domain:
 End Dial on #: Enable CFI:

ACD PARAMETERS

Enable ACD:
 Group ID: Group Password:
 Available:

BLA PARAMETERS

Enable BLA: BLA Number:

OPTIONAL SIP HEADER

Optional Header 1: Optional Header 2:

Save Settings Cancel Logout

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SIP Domain	SIP Domain
End dial on #	End dial on #
Enable CFI	Enable Call Forward Indication function with Sylanro server.
Enable ACD	Enable the Automatic Call Distribute function.
Group ID	ACD group ID
Group Password	ACD group password
Available	Phone makes the ACD agent available or unavailable
Enable BLA	Enable Bridge Line Appearance function with Sylanro server.
BLA Number	Enter the phone number of bridged party.
Optional Header	Optional Header

Click on the **Save Settings** button to save changes in this page.

Click on the **Cancel** button to discard all changes in this page.

Click on the **Logout** button to logout and close the browser window.

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Line Voice

RTP Port	RTP Port
Enable Statistic	Enable Statistic
Statistic Server	Statistic Server IP Address
Statistic Port	Statistic Server Port
Subscribe MWI	Enable Subscribe MWI
Voice Mail Server	Voice Mail Server IP Address
MSG Number	MSG Number
Codec G.7xx	Set Priority of G.7xx
G.7xx Packet Time	Set Packet Time of G.7xx
G.723.1 Bit Rate	Set Bit Rate of G.723.1
NAT TYPE	Set the type of NAT
SIP PING Interval Time(ms)	Set SIP PING Interval Time
STUN Server IP	Set STUN Server IP Address
STUN Server Port	Set STUN Server Port
Extern Router IP	Set Extern Router IP Address
Extern Signal Port	Set Extern Signal Port
Extern RTP Port	Set Extern RTP Port

Click on the **Save Settings** button to save changes in this page.

Click on the **Cancel** button to discard all changes in this page.

Click on the **Logout** button to logout and close the browser window.

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Line1

- Line1 Sip
- Line1 Voice
- Line1 Personal

Line2

Line3

Line4

LINE1 VOICE SETTINGS

RTP PARAMETERS

RTP Port 1	<input type="text" value="10002"/>	RTP Port 2	<input type="text" value="10004"/>
Enable Statistic	<input type="checkbox"/>	Statistic Server	<input type="text"/>
Statistic Port	<input type="text"/>	Statistic Port	<input type="text" value="10000"/>

VOICE MAIL ITEMS

Subscribe MWI	<input type="checkbox"/>	Voice Mail Server	<input type="text"/>	MSG Number	<input type="text"/>
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CODEC SETTINGS

Codec G.711 u-law	<input type="text" value="First"/>	G.711u Packet Time	<input type="text" value="30(ms)"/>
Codec G.711 a-law	<input type="text" value="Second"/>	G.711a Packet Time	<input type="text" value="30(ms)"/>
Codec G.729	<input type="text" value="Fourth"/>	G.729 Packet Time	<input type="text" value="30(ms)"/>
Codec G.723.1	<input type="text" value="Third"/>	G.723 Packet Time	<input type="text" value="30(ms)"/>
G.723.1 Bit Rate	<input type="text" value="5.3kb/s"/>		

NAT ITEMS

NAT Type	<input type="text" value="None"/>	SIP PING Interval Time(ms)	<input type="text" value="6"/>
STUN Server IP	<input type="text"/>	STUN Server Port	<input type="text" value="3478"/>
Extern Router IP	<input type="text"/>	Extern Signal Port	<input type="text" value="5060"/>
Extern RTP Port 1	<input type="text" value="10002"/>	Extern RTP Port 2	<input type="text" value="10004"/>

Line Personal

Enable Always Forward; Forward to user@[host]	Turn on/off unconditional forward, the right hand side is where the call will be forwarded to.
Enable On Busy Forward; Forward to user@[host]	Turn on/off the forward on busy function.
Enable No Answer Forward; Forward to user@[host]	Turn on/off the forward on no answer function.
Enable Block Anonymous call	Turn on/off Block Anonymous call
Caller Blocking Entry	You can enter up to 10 numbers to reject their call automatically.
Prefix Entry Type	Prefix Entry Type
Prefix Entry Pattern	Prefix Entry Pattern
Prefix Entry Replace	Prefix Entry Replace
Prefix Entry Setting	If the “Prefix Entry Type” is “replace” mode, the “Prefix Entry Pattern” will be replaced by the “Prefix Entry Replace”. If the “Prefix Entry Type” is “Add” mode, the “Prefix Entry Replace” will be added to the “Prefix Entry Pattern”. For example, the “Prefix Entry Pattern” is 220 and the “Prefix Entry Replace” is 210. When

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LINE1 PERSONAL SETTINGS

CALL FORWARD SETTINGS

Enable Always Forward	<input type="checkbox"/>	Forward to user@[host]	<input type="text"/>
Enable On Busy Forward	<input type="checkbox"/>	Forward to user@[host]	<input type="text"/>
Enable No Answer Forward	<input type="checkbox"/>	Forward to user@[host]	<input type="text"/>

CALLER BLOCKING SETTINGS

Enable Block Anonymous call <input type="checkbox"/>			
Caller Blocking Entry 0	<input type="text"/>	Caller Blocking Entry 1	<input type="text"/>
Caller Blocking Entry 2	<input type="text"/>	Caller Blocking Entry 3	<input type="text"/>
Caller Blocking Entry 4	<input type="text"/>	Caller Blocking Entry 5	<input type="text"/>
Caller Blocking Entry 6	<input type="text"/>	Caller Blocking Entry 7	<input type="text"/>
Caller Blocking Entry 8	<input type="text"/>	Caller Blocking Entry 9	<input type="text"/>

PREFIX ENTRY SETTINGS

Prefix Entry 0 Type	<input type="text" value="Disabled"/>	Prefix Entry 0 Replace	<input type="text"/>
Prefix Entry 0 Pattern	<input type="text"/>	Prefix Entry 1 Replace	<input type="text"/>
Prefix Entry 1 Type	<input type="text" value="Disabled"/>	Prefix Entry 2 Replace	<input type="text"/>
Prefix Entry 1 Pattern	<input type="text"/>	Prefix Entry 3 Replace	<input type="text"/>
Prefix Entry 2 Type	<input type="text" value="Disabled"/>	Prefix Entry 4 Replace	<input type="text"/>
Prefix Entry 2 Pattern	<input type="text"/>	Prefix Entry 5 Replace	<input type="text"/>
Prefix Entry 3 Type	<input type="text" value="Disabled"/>	Prefix Entry 6 Replace	<input type="text"/>
Prefix Entry 3 Pattern	<input type="text"/>	Prefix Entry 7 Replace	<input type="text"/>
Prefix Entry 4 Type	<input type="text" value="Disabled"/>	Prefix Entry 8 Replace	<input type="text"/>
Prefix Entry 4 Pattern	<input type="text"/>	Prefix Entry 9 Replace	<input type="text"/>
Prefix Entry 5 Type	<input type="text" value="Disabled"/>		
Prefix Entry 5 Pattern	<input type="text"/>		
Prefix Entry 6 Type	<input type="text" value="Disabled"/>		
Prefix Entry 6 Pattern	<input type="text"/>		
Prefix Entry 7 Type	<input type="text" value="Disabled"/>		
Prefix Entry 7 Pattern	<input type="text"/>		
Prefix Entry 8 Type	<input type="text" value="Disabled"/>		
Prefix Entry 8 Pattern	<input type="text"/>		
Prefix Entry 9 Type	<input type="text" value="Disabled"/>		
Prefix Entry 9 Pattern	<input type="text"/>		

DIAL PLAN

Dial Plan	<input type="text"/>
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Section 5 - Configuration

	you dial 220 on keyboard, the phone will dial 210 in “replace” mode or 210220 in “Add” mode.
Dial Plan	Set Dial Plan

Click on the **Save Settings** button to save changes in this page.

Click on the **Cancel** button to discard all changes in this page.

Click on the **Logout** button to logout and close the browser window.

NOTE:

Dial plan configuration

The dial plan lets you describe rules for dialing numbers. If a phone number entered by the user matches the dial plan settings, then it will be dialed out immediately without the need to press the # key.

If the dialed number does not match any expression defined in the dial plan, the number will be rejected. You may define one dial plan per line. Please note that the dial plan does not apply to SIP URL dialing.

The following are a description of the syntax used for each pattern:

<i>Symbol</i>	<i>Description</i>
0, 1, 2, 3, 4, 5, 6, 7, 8, 9	Digit symbol
X	Wildcard matching any symbol
*, #, .	Other keypad symbol
+	0 or more of the preceding symbol or [] expression

Section 5 - Configuration

[ab]	Symbol a or b
[a-b]	Any symbol from a to b (where a and b are digit symbols. For example, the expression [2-4] means any digits between 2 and 4 (included))
 	Either or

For example, the following are valid dial plans:

- 02XXXXXX** : This dial plan lets you dial any 8-digit number starting with 02.
- 42XXX|0|23|XXXXXX** : Lets you dial any 5-digit number starting with 42 or any 8-digit number starting with a 0 followed by 2 or 3.
- 4X+9** : Let's you dial any n-digit number starting with 4 and ending with 9.

Phonebook

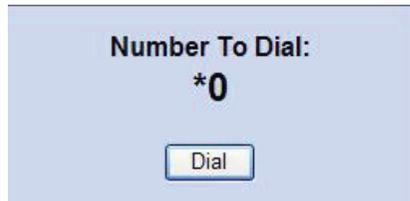
This page lets you configure the phonebook of your phone. You can:

- Select the phonebook pages from 1 to 10 in the left column.
- Edit up to 200 entries. Each page only shows 20 entries.
- Dial a phone number directly from the web phonebook.

Here is the description of each field.

Name	Name of your contact
Phone Number	Phone number or SIP URI of your contact
Ring Type	Select the ring type.

Each contact is given a corresponding number. To call your contact, simply click on his/her corresponding number and it will show the following dialog box (for example, if you click on 001 to call the operator, the result will be the following):



Then press on the “Dial” button in order to start dialing.

Click on the **Save Settings** button to save changes in this page.

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Phonebook 7
Phonebook 8
Phonebook 9
Phonebook10

PHONEBOOKS

PHONEBOOK ENTRY (001-020)

Entry No.	Name	Phone Number	Ring Type	Dial	Entry No.	Name	Phone Number	Ring Type	Dial
001	A	1001	2 ▾	click	002	A	2323	0 ▾	click
003			0 ▾	click	004			0 ▾	click
005			0 ▾	click	006			0 ▾	click
007			0 ▾	click	008			0 ▾	click
009			0 ▾	click	010			0 ▾	click
011			0 ▾	click	012			0 ▾	click
013			0 ▾	click	014			0 ▾	click
015			0 ▾	click	016			0 ▾	click
017			0 ▾	click	018			0 ▾	click
019			0 ▾	click	020			0 ▾	click

Save Settings
Logout

TROUBLESHOOTING

This section provides solutions to problems that can occur during the installation and operation of the IP phone. Read the following descriptions if you are having problems.

Problem	Solution
No operation	Check if the power adapter is properly connected. Check if the Ethernet cable is properly connected. If applicable, check if the PoE (Power over Ethernet) switch behind the IP phone is set correctly.
No dial tone	Check if the handset cord is properly connected. Check if the power adapter is properly connected.
LAN connection lost status message	Check if the Ethernet cable is properly connected.
I cannot make a call	Check the status of your SIP registration status or contact your administrator, supplier, or ITSP for more information or assistance.
My IP Phone cannot receive any phone calls	Check if the Ethernet cable is properly connected. Check the status of your SIP registration status, or contact your administrator, supplier, or ITSP for more information or assistance.
I cannot connect to the configuration website of the IP phone	Check if the Ethernet cable is properly connected. Check the IP address of the IP phone. Check if your firewall/NAT settings are correct.